

YSV40-40W SERIES



Input: 85-265VAC 50/60Hz
Output Voltage: 5V-48V DC
Rated Power: 40W max

Features

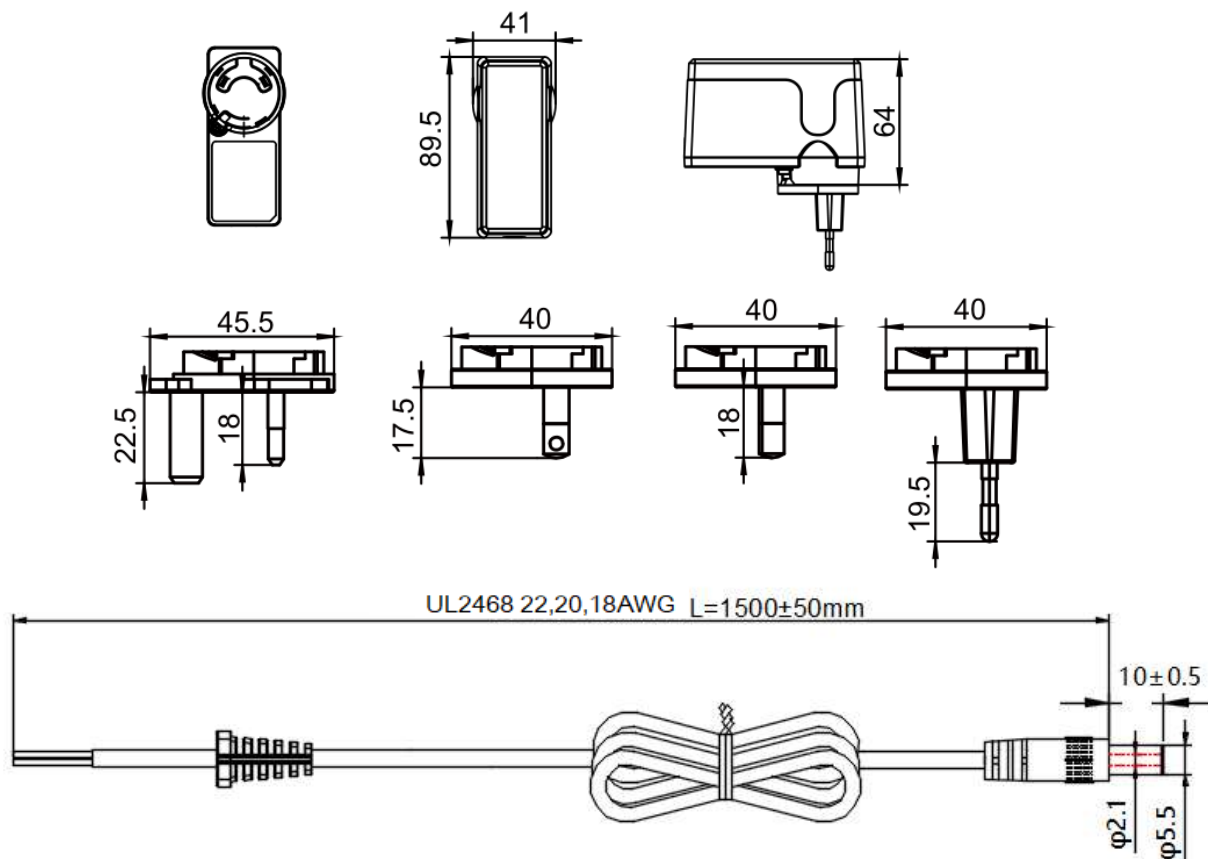
Univeral AC input/ Full range
Energy efficiency level VI
Leakage Current: < 0.25mA
Extremely low leakage current
Protection: Over load/Over voltage/Short circuit
Withstand voltage : 3KV
Life Warranty: 3 years

Application

Telecommunications,
Security,
Access Control Systems
Home Appliances,
IT



■ Dimensions and Installation

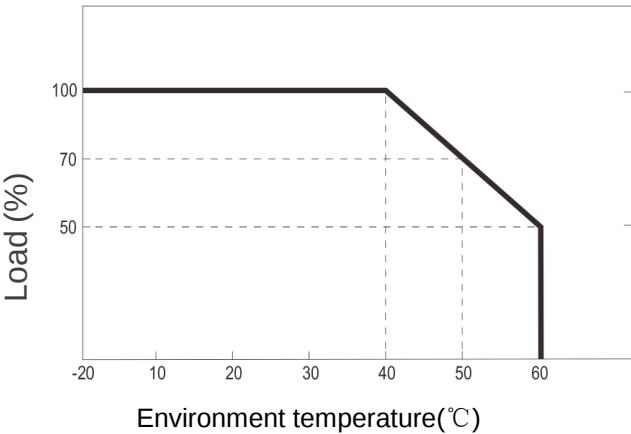


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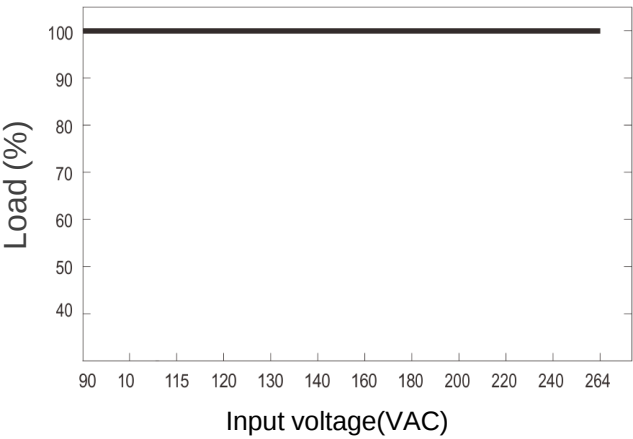
MODEL DETAIL SPEC.		YSV40-0505000	YSV40-0904000	YSV40-1203300	YSV40-1502660	YSV40-2401660	YSV40-3601110	YSV40-4800830
INPUT	Input Voltage:	85-265VAC						
	Input Frequency:	50/60Hz						
	Inrush Current:	40A/115VAC 70A/230VAC						
	AC Current:	1.0A max.						
	Leakage Current:	< 0.25mA/240VAC						
	Efficiency:	81%	85%	87%	87%	88%	89%	89%
OUTPUT	DC Voltage:	5V	9V	12V	15V	24V	36V	48V
	Rated Current:	5A	4A	3.3A	2.66A	1.66A	1.11A	0.83A
	Rated Power:	25W	36W	40W	40W	40W	40W	40W
	Voltage Tolerance:	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	Ripple and Noise:	90mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	220mVp-p	240mVp-p
	Line Regulation:	±3%						
	Load Regulation:	±5%	±5%	±5%	±5%	±5%	±5%	±5%
	Setup, Rise, Hold Up time:	500ms, 30ms/120ms 230VAC 1000ms, 30ms/25ms 115VAC at full load						
ENVIRONM ENTAL	Operating Temperature:	-20 ~ +60 (Refer to "Derating Curve")						
	Storage Temp:	-40℃ ~ 85℃						
	Storage Humidity:	10 ~ 95% RH						
	Working Humidity:	20 ~ 95% RH non-condensing						
PROTECTI ON	Over Load:	105% -150% rated output power						
		Protection type: Hiccup mode, recovers automatically after fault condition is removed						
	Over Voltage:	105% -130% rated output power						
		Protection type: Shut down o/p voltage, re-power on to recover						
	Over Temperature:	N/A						
SAFETY & EMC	Safety Regulations:	UL62368-1, BS EN/EN62368-1, EAC TP TC 004, BSMI CNS14336-1, AS/NZS 62368-1 approved						
	Withstand Voltage:	I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC						
	Isolation Resistance:	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃/ 70% RH						
	EMC Emission:	Compliance to BS EN/EN55014-1:2021 (CISPR32), BS EN/EN61204-3 Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020, CNS13438 Class B						
	EMC Immunity:	EN/EN61000-4-2,3,4,5,6,8,11						
OTHER	MTBF:	500Khrs min. MIL-HDBK-217F(25℃)						
	Size:	89.5*41*64mm						
	Weight:	187g / pc						
	Packaging:	50PCS						

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Deduction curve
and temperature

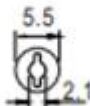


Minus output
and input voltage curves



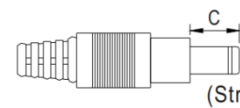
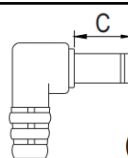
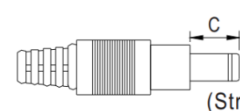
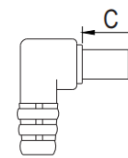
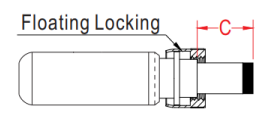
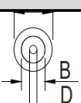
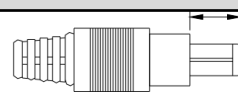
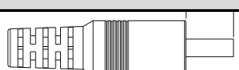
DC output plug

Standard plug :D1M

D1M		Pin Assignment	
			
			Outside   Inside 
-V not connected to AC FG(standard) -V connected to AC FG(optional)			

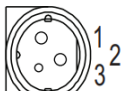
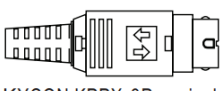
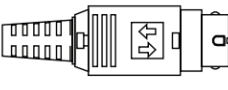
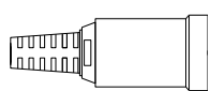
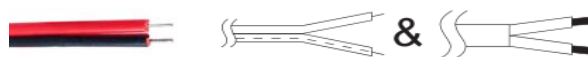
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Optional DC plug: (Available in customized cable or quick adapter)

Tuning Fork Style		Type No.	A	B	C	Quick Adapter Accessory	
			OD	ID	L		
 	 (Straight)	D1I	5.5	2.1	9.5	Available (Current rating: 7.5A max.)	
		D1L	5.5	2.5	9.5		
		D1M	5.5	2.1	11.0		
	 (Right-angled)	D1IR	5.5	2.5	9.5		
		D1JR	5.5	2.1	11.0		
		D1LR	5.5	2.5	9.5		
		D1MR	5.5	2.5	11.0		
Barrel Style		Type No.	A	B	C	Quick Adapter Accessory	
			OD	ID	L		
 	 (Straight)	D2I	5.5	2.1	9.5	None	
		D2J	5.5	2.1	11.0		
		D2L	5.5	2.5	9.5		
		D2M	5.5	2.1	11.0		
	 (Right-angled)	D2IR	5.5	2.5	9.5		
		D2JR	5.5	2.1	11.0		
		D2LR	5.5	2.5	9.5		
		D2MR	5.5	2.5	11.0		
Lock Style		Type No.	A	B	C	Quick Adapter Accessory	
			OD	ID	L		
   Floating Locking SWITCHCRAFT original or equivalent	D2S(S761K)		5.53	2.03	12.06	None	
	D2K(761K)		5.53	2.54	12.06		
	D2C(S760 K)		5.53	2.03	9.52		
	D2D(760K)		5.53	2.54	9.52		
Center Pin Style		Type No.	A	B	C	D	Quick Adapter Accessory
			OD	ID	L	Center Pin	
   EIAJ equivalent	D4A		5.5	3.4	11.0	1.0	Available (Current rating: 7.5A max.)
	D4B		6.5	4.4	11.0	1.4	
	D4C		7.4	5.1	11.0	0.6	
Min. Pin Style		Type No.	A	B	C	Quick Adapter Accessory	
			OD	ID	L		
   EIAJ equivalent	D3A		2.35	0.7	11.0	Available (Current rating: 5A max.)	
	D3B		4.0	1.7	11.0		
	D3C		4.75	1.7	11.0		

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Optional DC plug: (Available in customized cable or quick adapter)

Min.Din 3Pin with Lock (male)	Type No.	Pin Assignment		Quick Adapter Accessory
		PIN No.	Output	
   KYCON KPPX-3P equivalent	M6B	1	+Vo	Available (Current rating: 7.5A max.)
		2	-Vo	
		3	+Vo	
Min.Din 4Pin with Lock (male)	Type No.	Pin Assignment		
		PIN No.	Output	
   KYCON KPPX-4P equivalent	M7B	PIN No.	Output	Available (Current rating: 7.5A max.)
		1	+Vo	
		2	-Vo	
		3	-Vo	
		4	+Vo	
Min.Din 4Pin with Lock (female)	Type No.	Pin Assignment		
		PIN No.	Output	
   KYCON KPJX-CM-4S equivalent	M7BF	PIN No.	Output	None
		1	+Vo	
		2	-Vo	
		3	-Vo	
		4	+Vo	
DIN 5Pin (male)	Type No.	Pin Assignment		
		PIN No.	Output	
  	M1B	PIN No.	Output	Available (Current rating: 7.5A max.)
		1	-Vo	
		2	-Vo	
		3	+Vo	
		4	-Vo	
		5	+Vo	
Stripped and tinned leads	Type No.	Pin Assignment		
		PIN No.	Output	
	by customer	1	+Vo	None
		2	-Vo	